

Overview

This standard covers the installation of land drainage systems.

This standard is for those responsible for the installation of land drainage systems.

The typical activities you would carry out include - ensuring reference marks and setting out are accurate according to specifications, locating and protecting underground and overground services, using concrete, bricks, pipe materials, masonry and aggregates, clearing up and disposing of debris.

You must carry out your work in a way which will minimise any impact on the natural environment and enhance its nature, conservation and recreational value.

If you are working with chemicals or machinery you need to be appropriately trained or certificated in line with current legislation.

**Performance
criteria**

You must be able to:

- P1 carry out an environmental assessment of the site before starting work
- P2 assess the risks associated with the site and the proposed work
- P3 select, prepare, use and maintain equipment and machinery that is appropriate for the work, safely and effectively
- P4 use working methods that are safe and efficient
- P5 position reference marks in accordance with specifications
- P6 install drainage systems in accordance with specifications
- P7 minimise damage to existing structures and services
- P8 keep working areas clean and tidy
- P9 restore the site to an appropriate condition following completion of the work
- P10 complete work to the agreed time schedule
- P11 complete records as appropriate
- P12 carry out all work in accordance with relevant environmental and health and safety legislation, risk assessment requirements, codes of practice and company policies

Knowledge and understanding

You need to know and understand:

- K1 the importance of carrying out an environmental assessment of the site before starting work and the findings which must be reported
- K2 how to identify hazards and assess risks
- K3 how to interpret risk assessments
- K4 how to select, prepare, use and maintain equipment and machinery in a safe and effective condition
- K5 why it is important to position reference marks correctly according to specifications and how to do so
- K6 how to ensure that the installation of the drainage is correct according to specifications
- K7 how to work efficiently and minimise wastage of materials and time
- K8 why it is important to clear debris and keep working areas clean and tidy
- K9 deal with waste safely and correctly in accordance with instructions
- K10 the type of damage that is likely to occur to services and surroundings and how to keep this to a minimum
- K11 why it is important to complete work to the agreed time schedule
- K12 the records which need to be completed
- K13 your responsibilities under current environmental and health and safety legislation, codes of practice and company policies

Glossary

Specification: drawings, schedules, method statements, Standard Operating Procedures (SOPs), manufacturers' guidelines

Instructions: verbal or written

Developed by Lantra

Version number 1.2

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Status Original

Originating organisation Lantra

Original URN LANL15; LANL23

Relevant occupations Estate Worker; gardener; landscaper; greenkeeper; groundsman

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